

Title (en)
PRINTER

Title (de)
DRUCKER

Title (fr)
IMPRIMANTE

Publication
EP 1719628 B1 20091104 (EN)

Application
EP 05709907 A 20050208

Priority
• JP 2005001855 W 20050208
• JP 2004052098 A 20040226

Abstract (en)
[origin: EP1719628A1] Provided is a printer that employs a platen roller as conveying means, for which the accuracy of the assembly of the constituents of a drive transmission mechanism that drives a platen roller is increased, and the heat releasing function of a motor that is a drive source is also improved, so that downsizing and increasing output can be coped with. Therefore, according to the present invention, a printer comprises: a platen roller, for conveying a recording sheet, a print head, arranged opposite the platen roller, a drive unit, for rotating the platen roller, and a main frame, including a pair of side walls that can rotatably support the platen roller, wherein the drive unit includes: a motor; idler gears, for transmitting a rotational force provided by the motor to the platen roller; and a gear fitting member, integrally formed with gear support shafts that support the idler gears, wherein the motor and idler gears are capable of being mounted in the main frame while attached to the gear fitting member, and wherein a drive gear of the motor and the idler gears are stored in a space defined by the gear fitting member and one of the side walls of the main frame.

IPC 8 full level
B41J 11/00 (2006.01); **B41J 11/04** (2006.01); **B41J 29/02** (2006.01); **B41J 29/38** (2006.01)

CPC (source: EP KR US)
B41J 2/32 (2013.01 - KR); **B41J 2/375** (2013.01 - KR); **B41J 11/04** (2013.01 - EP KR US); **B41J 29/023** (2013.01 - EP KR US); **B41J 29/38** (2013.01 - EP KR US)

Cited by
EP3246169A1; EP2039526A3; KR100949523B1; EP3566876A1; US10350923B2; US7942595B2; US11220113B2; US8550733B2; WO2019214902A1

Designated contracting state (EPC)
FR IT

DOCDB simple family (publication)
EP 1719628 A1 20061108; EP 1719628 A4 20081015; EP 1719628 B1 20091104; CN 100509417 C 20090708; CN 1922024 A 20070228; JP 2005238658 A 20050908; JP 4421916 B2 20100224; KR 101076532 B1 20111024; KR 20060127148 A 20061211; US 2008019757 A1 20080124; US 7862247 B2 20110104; WO 2005082634 A1 20050909

DOCDB simple family (application)
EP 05709907 A 20050208; CN 200580006024 A 20050208; JP 2004052098 A 20040226; JP 2005001855 W 20050208; KR 20067016844 A 20060822; US 59058705 A 20050208